INTERNATIONAL SEARCH REPORT

International application No.

PCT/IB04/03424

A. CLASSIFICATION OF SUBJECT MATTER IPC(7) : A63F 13/00				
US CL : 463/22				
According to International Patent Classification (IPC) or to both national classification and IPC				
B. FIELDS SEARCHED				
Minimum documentation searched (classification system followed by classification symbols) U.S.: 463/20-22, 25,29,42				
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched				
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) derwent				
C. DOCUMENTS CONSIDERED TO BE RELEVANT				
Category *	Citation of document, with indication, where ap		Relevant to claim No.	
Y	US 6,533,664 B (CRUMBY) 18 March 2003 (18.03.	2003), see entire document	1-25	
Y	US 5,989,121 A (SAKAMOTO) 23 November 1999 (23.11.1999), see entire document, Column 6:17-26		1-25	
A	US 6,477,251 B (SZREK et al) 05 November 2002 (05.11.2002), see entire document		1-25	
A	US 4,527,798 (SIEKIERSKI et al) 09 July 1985 (09.	07.1985) see entire document	1-25	
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	<u></u>			
Further	documents are listed in the continuation of Box C.	See patent family annex.	'	
		"T" later document published after the inte	rnational filing date or priority	
"A" document defining the general state of the art which is not considered to be		date and not in conflict with the applic principle or theory underlying the inve		
	lar relevance	•		
"E" earlier ap	plication or patent published on or after the international filing date	"X" document of particular relevance; the considered novel or cannot be conside when the document is taken alone	red to involve an inventive step	
	t which may throw doubts on priority claim(s) or which is cited to the publication date of another citation or other special reason (as	"Y" document of particular relevance; the	claimed invention cannot be	
specified		considered to involve an inventive ste combined with one or more other sucl	when the document is	
"O" document referring to an oral disclosure, use, exhibition or other means		being obvious to a person skilled in th	e art	
*P" document published prior to the international filing date but later than the "&" document member of the same patent family priority date claimed				
Date of the actual completion of the international search		Date of mailing of the international search report 0 6 JUL 2005		
29 April 2005 (29.04.2005)		Authorized officer		
Name and mailing address of the ISA/US		Multiple difference of the Land		
Mail Stop PCT, Attn: ISA/US Commissioner for Patents		Authorized officer North Motaling if Multitude		
P.O. Box 1450		Telephone No. (703) 308-7777	-	
	xandria, Virginia 22313-1450 o. (703) 305-3230	, ,		

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Box No. II	Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)	
This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:		
··· —	laims Nos.: ecause they relate to subject matter not required to be searched by this Authority, namely:	
be	laims Nos.: ecause they relate to parts of the international application that do not comply with the prescribed requirements to such a extent that no meaningful international search can be carried out, specifically: laim 24 is a multiply dependent claim which depend from claim 18 which is also a multiply dependent claim.	
-· — -	Claims Nos.: 24 ecause they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).	
Box No. III	Observations where unity of invention is lacking (Continuation of item 3 of first sheet)	
This Internationa	al Searching Authority found multiple inventions in this international application, as follows:	
2.	s all required additional search fees were timely paid by the applicant, this international search report covers all earchable claims. Is all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite ayment of any additional fee. Is only some of the required additional search fees were timely paid by the applicant, this international search report overs only those claims for which fees were paid, specifically claims Nos.:	
	o required additional search fees were timely paid by the applicant. Consequently, this international search report is estricted to the invention first mentioned in the claims; it is covered by claims Nos.: The additional search fees were accompanied by the applicant's protest. No protest accompanied the payment of additional search fees.	